



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

September 18, 2019

David Anderson
Director, Product Development & Regulatory Affairs
Rainbow Treecare Scientific Advancements
11571 K-Tel Drive
Minnetonka, MN 55343

Subject: CSF Notification per PRN 98-10 – Addition of ABN, Spotted Lanternfly, Linden Restriction
Product Name: Dinotefuran Injectable
EPA Registration Number: 74779-15
Application Date: 7/11/2019
Decision Number: 553680

Dear Mr. Anderson:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10. The label submitted with the application has been stamped “Notification” and will be placed in our records.

The alternate brand name “Transtect Infusible” has been added to the product record.

Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Compliance.

If you have any questions, please contact Scott Campbell at Campbell.Scott@epa.gov or at (703) 347-0479.

Sincerely,

Gene
Gene Benbow, Product Manager 07
Invertebrate and Vertebrate Branch 3
Registration Division (7505P)
Office of Pesticides Programs

Dinotefuran Injectable **[ABN: Transtect Infusible]**

Systemic Insecticide for the management of insect pests of Forest and Ornamental trees and shrubs.

ACTIVE INGREDIENT:

Dinotefuran	
[N-methyl-N'-nitro-N''-(tetrahydro-3-furanyl)methyl]guanidine]	22.5%
OTHER INGREDIENTS	77.5%
Total	100.0%

Contains 1.9 pounds of dinotefuran per gallon.

NOTIFICATION

74779-15

EPA Reg. No. 74779-15

EPA Est. No. XXXXX-XX-XX

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

09/18/2019

See additional Precautionary Statement, First Aid and Directions for Use inside booklet.

STOP – Read the label before use.

PRECAUCION AL USUARIO: Si usted no puede leer o entender ingles, no use este producto hasta que la etiqueta le haya sido explicada ampliamente. (TO THE USER: If you cannot read or understand English, do not use this product until the label has been fully explained to you.)

NET CONTENTS: **[8 fl oz (237 mL)] [500 mL (16.9 fl. oz)] [1 pint (473 mL)] [1 Quart (946 mL)] [55 gallons (208 L)] [265 gallons (1,003 L)]**

Distributed By:
Rainbow Treecare Scientific Advancements
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FIRST AID	
IF ON SKIN OR CLOTHING	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 – 20 minutes. • Call a poison control center or doctor for further treatment advice.
IF SWALLOWED	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
IF IN EYES	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15 – 20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. • Call a poison control center or doctor for treatment advice.
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact CHEMTREC at 1-800-424-9300 for emergency medical treatment information.	

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

CAUTION: Harmful if absorbed through the skin. Harmful if swallowed. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse. Wear protective eyewear. Wear long-sleeved shirt and long pants, socks, shoes and chemical-resistant gloves.

PERSONAL PROTECTIVE EQUIPMENT:

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category A on an EPA chemical resistance category selection chart.

Applicator and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical resistant gloves, such as polyethylene or butyl rubber or neoprene rubber or Viton.
- Shoes plus socks

USER SAFETY REQUIREMENTS

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users must:

- Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.
- Remove and wash contaminated clothing before reuse.

ENVIRONMENTAL HAZARDS:

This pesticide is toxic to aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not dispose of equipment washwaters or rinsate into a natural drain or water body. Do not contaminate water when disposing of equipment washwaters or rinsate.

This compound is highly toxic to honey bees. The persistence of residues and potential residual toxicity of Dinotefuran in nectar and pollen suggests the possibility of chronic toxic risk to honey bee larvae and the eventual instability of the hive.

This product is toxic to bees exposed to treatment for more than 38 hours following treatment. Do not apply this product to blooming, pollen shedding or nectar-producing parts of plants if bees may forage on the plants during this time period, unless the application is made in response to a public health emergency declared by appropriate state or federal authorities.

PHYSICAL OR CHEMICAL HAZARDS

Do not use, pour, spill or store near heat or open flame.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirement specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and the Worker Protection Standard, 40 CFR 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries and greenhouses, and the handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE). The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

RESTRICTIONS

- Do not inject trees that are less than two inches in diameter.
- This product is not to be used on trees which will produce food.
- For trees in forests that are pollinated by bees or other invertebrates, make application post-bloom.
- For flowering trees, make applications post-bloom.
- **Do not apply this product by any method to linden, basswood or other Tilia species.**

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APPLICATION EQUIPMENT

Dinotefuran Injectable is an insecticide for use with tree injection devices that meet the label and dose requirements. Test for compatibility with the injector and its liquid contact components before regular use. Clean the interior of the injector with a solvent cleaner to remove any residual liquid from prior use. Use tree injection devices with care and in a safe manner, in addition to following manufacturer's directions and precautions.

Note: The active ingredient in Dinotefuran Injectable has been shown to be safe on a wide range of plant species. Before using on plants or insects not listed in the Directions for Use, test on a small scale basis and evaluate for phytotoxicity and insect control prior to widespread use.

DIRECTIONS

Follow manufacturer's directions and precautions in the use of pressurized tree injector systems. Measure the diameter of the tree at breast height (4.5 feet above the soil line) in inches. Unless specified otherwise

with the manufacturer's use instructions for specific tree injection devices, to determine the number of injection sites when measuring the circumference of the tree, divide this number by six (6). If measuring the diameter of the tree, divide this number by two (2) to determine the number of injection sites needed. Apply the injector sites into the active sapwood, evenly spaced around the tree at the root flare region avoiding the valleys in between root flares. Ensure that the injection sites are no more than twelve (12) inches above the soil line. Excavating the soil 2-4 inches below the soil surface may help to expose the root flare. Follow good injection practices. Do not apply more than once per calendar year.

Use the following rates as a function of tree diameter at breast height (DBH):

- For trees 2 to 10 inches DBH use 1 – 2 ml per DBH inch
- For trees 10 to 36 inches DBH use 1 – 3 ml per DBH inch
- For trees 36 inches DBH and above use 1 – 4 ml per DBH inch

Dosage per injection site is determined by dividing the number of injection sites into the total dosage per tree as per the above rate schedule.

For heavier infestations or more difficult to control insects, use up to 4 ml per DBH inch on trees having a DBH of 2 inches and above.

Trees in advanced stages of insect infestation may not respond to treatment. The health of the tree and the environmental conditions will determine the rate of uptake.

Table 1: Target insects on Forest and Ornamental Trees and Shrubs

Adelgids (such as hemlock wooly adelgid, pine bark adelgid, cooley spruce gall adelgid)
Aphids
Asian Longhorned Beetle
Bagworms (suppression)
Flatheaded Borer (excluding emerald ash borer)
Froghopper
Galls (such as Hickory Stem Gall)
Glassy-Winged Sharpshooter
Japanese Beetle (adults)
Lacebugs
Leaf Beetle
Leafhoppers
Leafminers
Mealybugs
Pine Tip Moth Larvae (suppression)
Plant Bug
Plant Hopper
Psyllids
Root Weevils
Roundheaded Borers
Royal Palm Bugs
Sawfly Larvae
Scale Insects (soft and armored scales)
Spotted Lanterfly
Stink Bug
Thrips

Treehopper
Whiteflies

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal.

PESTICIDE STORAGE: Store containers in an upright position, above 45°F, in a cool, dry place.

PESTICIDE DISPOSAL: Waste resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Non-refillable container. Do not reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. Offer for recycling, if available or puncture and dispose of in a sanitary landfill, or by incineration if allowed by state and local authorities, by burning. If burned, stay out of smoke.

(non-refillable ≤ 5 gallons): Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container and rinse at 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

NOTICE OF WARRANTY

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, RAINBOW TREECARE SCIENTIFIC ADVANCEMENTS MAKES NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PURPOSE OR OTHERWISE, EXPRESSED OR IMPLIED CONCERNING THIS PRODUCT OR ITS USE WHICH EXTEND BEYOND THE USE OF THE PRODUCT UNDER NORMAL CONDITIONS IN ACCORD WITH THE STATEMENTS MADE ON THIS LABEL.

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Optional Marketing Claims

- Ideal for HWA [Hemlock Woolly Adelgid] and Scale control
- Controls HWA and Scale [insects]
- Ideal for use near bodies of water
- Fast [Quick] to inject
- Fast [Quick] control
- Ideal for therapeutic treatments
- Ideal for recovery treatments
- Fast [Quick] distribution in [throughout] tree
- Quick [Fast] uptake
- For use on forest pests
- No mixing required
- Controls elongated hemlock scale